

Lucina californica Cour.	Modiola (Gregariella) opifex Say.
Lucina nuttalli Cour.	Septifer bifurcatus Rve.
Lucina tenuisculpta Cpr.	Philobrya setosa Cpr. 30 fathoms.
Diplodonta orbella Gld.	Lima orientalis Ad. & Rve. Young, dead. 30 fathoms.
Lasea rubra Mont. 30 fathoms.	Pecten latiauritus Conr. Young. 30 fathoms.
Lasea rubra Mont., var. subviridis Cpr. 30 fathoms.	Hinnites giganteus Gray. 30 fathoms.
Kellia laperousii Desh.	Monia foliata Brod. In Hinnites, 30 fathoms.
Kellia suborbicularis Mont. 30 fathoms.	
Milneria minima Dall.	
Lazaria subquadrata Cpr.	
Arca gradata Brod.	
Mytilus californica Cour.	

NEW SPECIES OF PACIFIC COAST SHELLS.

BY WILLIAM HEALEY DALL.

Trivia atomaria n. sp. Shell minute, of a livid pink, with a substratum of olivaceous cast, the whole giving a pinkish brown effect; form subglobular, with a feeble dorsal sulcus, across which the ribs usually pass without interruption; in all there are about 18 ribs, with about equal interspaces, which are slightly sagriate or minutely irregularly rugose, though the ribs are smooth; these ribs form an equal number of fine denticulations on the inside of the outer lip and over the pillar-lip and internal lobe; the extremities are very slightly or not at all produced; the spire is completely obscured. Length 3.2, breadth 2.6, height 2.2 mm.

Half a dozen specimens of uniform size were dredged in 18 fathoms, Panama Bay, by the U. S. Str. Albatross. This is the smallest species I have seen; even the dwarfs of the allied *T. subrostrata* Gray of the West Indian fauna are larger.

Trivia panamensis n. sp. Shell small, strongly sculptured, subovate, inflated, with its posterior extremity slightly produced; sculptured with about 15 rather sharp-edged strong ribs, of which about 4 are intercalary and the others continuous over the shell; in the middle line of the back they dip slightly but are not interrupted or attenuated; aperture narrow, strongly and nearly equally toothed on

each lip; the spire wholly concealed; the interspaces are smooth and somewhat wider than the ribs. Length 4.2, breadth 3.0, height 2.5 mm.

Two specimens were obtained with the preceding. Both forms have been submitted to Mr. J. Cosmo Melvill, of Manchester, England, who now possesses the types of Gaskoin's species, and has given especial attention to the group. He regards both as new.

Erato oligostata n. sp. Shell small, very nearly the shape of *Trivia atomaria*, but not ribbed, of a pale olive green, with the extremity of the canal deep rose pink; spire entirely concealed by a microscopically pustulate layer of greenish white callus; aperture narrow, very slightly shorter than the spire and not angulate externally behind; pillar lip with two anterior pliciform and half a dozen small pustular more posterior deposits of callus, the outer lip minutely dentate, the teeth smaller in front; the canal very short. Length 3.2, breadth 2.25 mm.

Found with the preceding. This is perhaps the smallest known *Erato*, and while, perhaps, nearest to dwarf specimens of the West Indian *E. maugeræ* Gray, it differs from them in its more rounded form and less trigonal outline, as well as by the pustulated surface.

The European genus *Mysia* (Leach) Lamarck, of which the type is *Lucinopsis undata* Forbes and Hanley, has two right and three left cardinal teeth. A very similar type is found in American waters, represented in the Antilles by *Artemis tenuis* Recluz, and on the Pacific coast by *Dosinia subquadrata* Hanley. These forms however differ from *Mysia* by having three cardinal teeth in each valve. For this American type I propose the name of *Cyclinella*, and add the following new species to the fauna of the Pacific coast.

Cyclinella singleyi Dall. Shell solid, nearly orbicular, yellowish white, with an extremely thin periostracum, moderately inflated; surface with very fine close concentric sulci, giving a silky texture to it; an obscure depression radiates from the beaks near the posterior margin; lunule lanceolate, defined by an impressed line; pallial sinus narrow, high, rather blunt, pointing at the umbo; internal margins plain, the middle cardinals strong, the posterior right cardinal bifid. Length 40, height 39, diameter 22 mm.

Gulf of California in the Yaqui delta; Singley. It is smaller, more convex and solid, with vastly larger muscular scars than *C. subquadrata* Hanley.